

0906369-062901

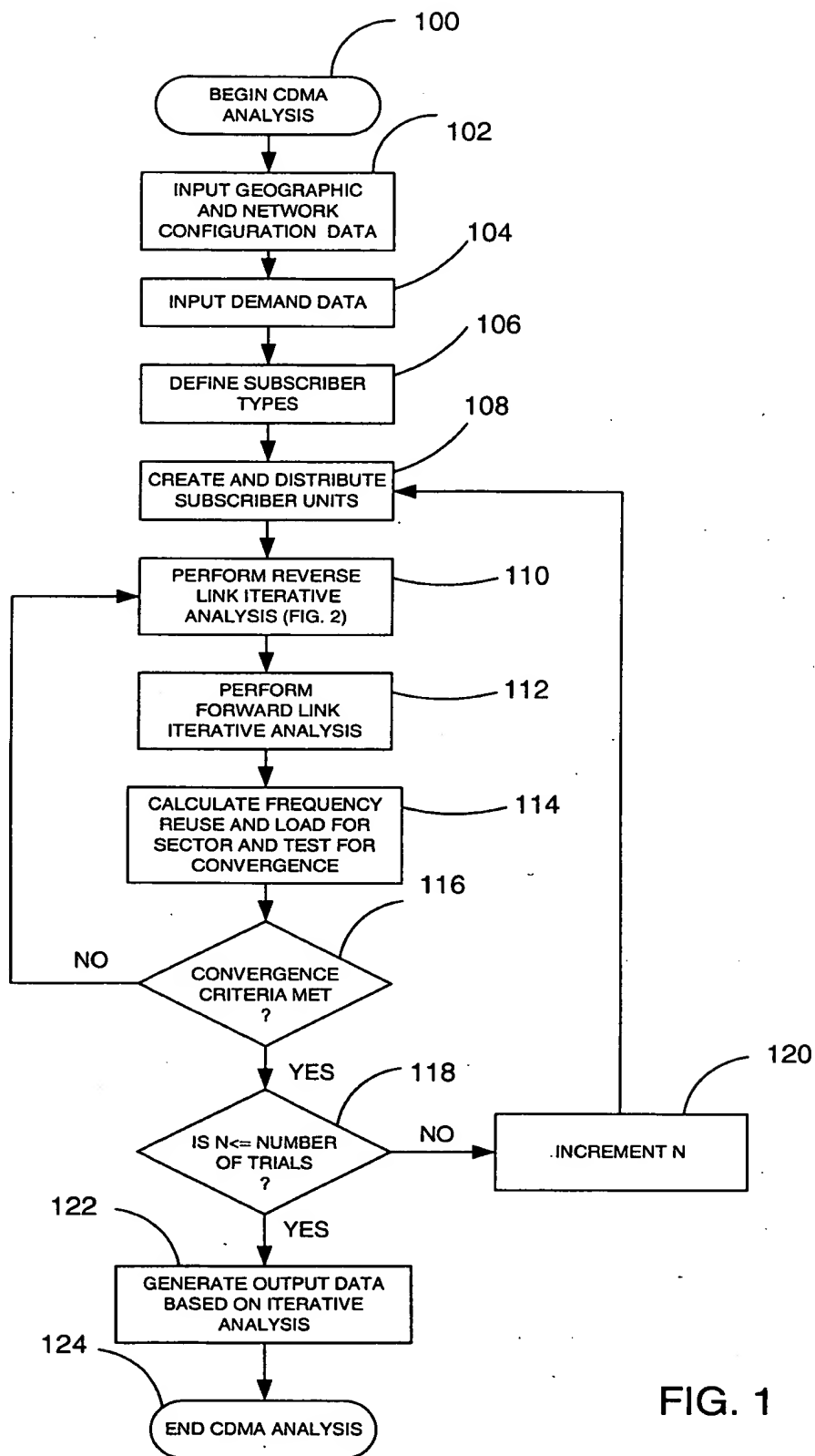


FIG. 1

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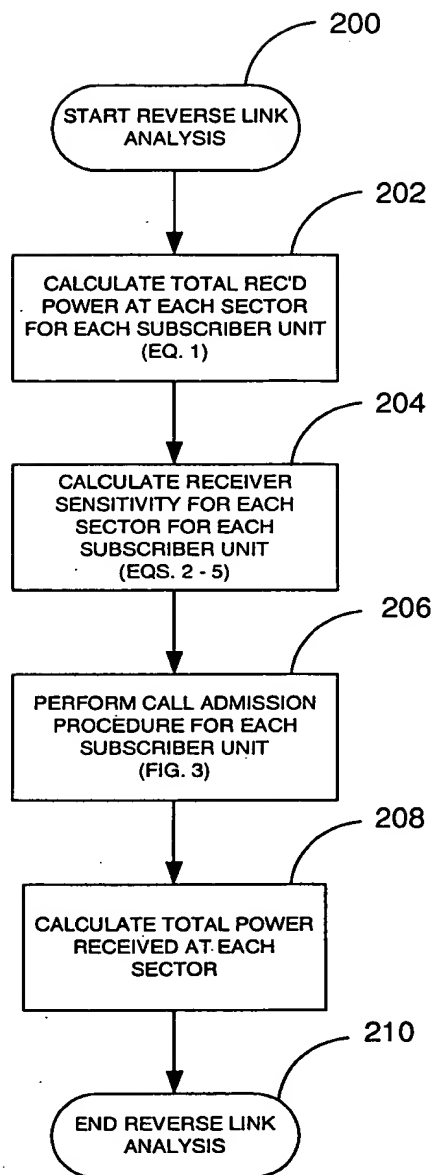


FIG. 2

FIG. 3

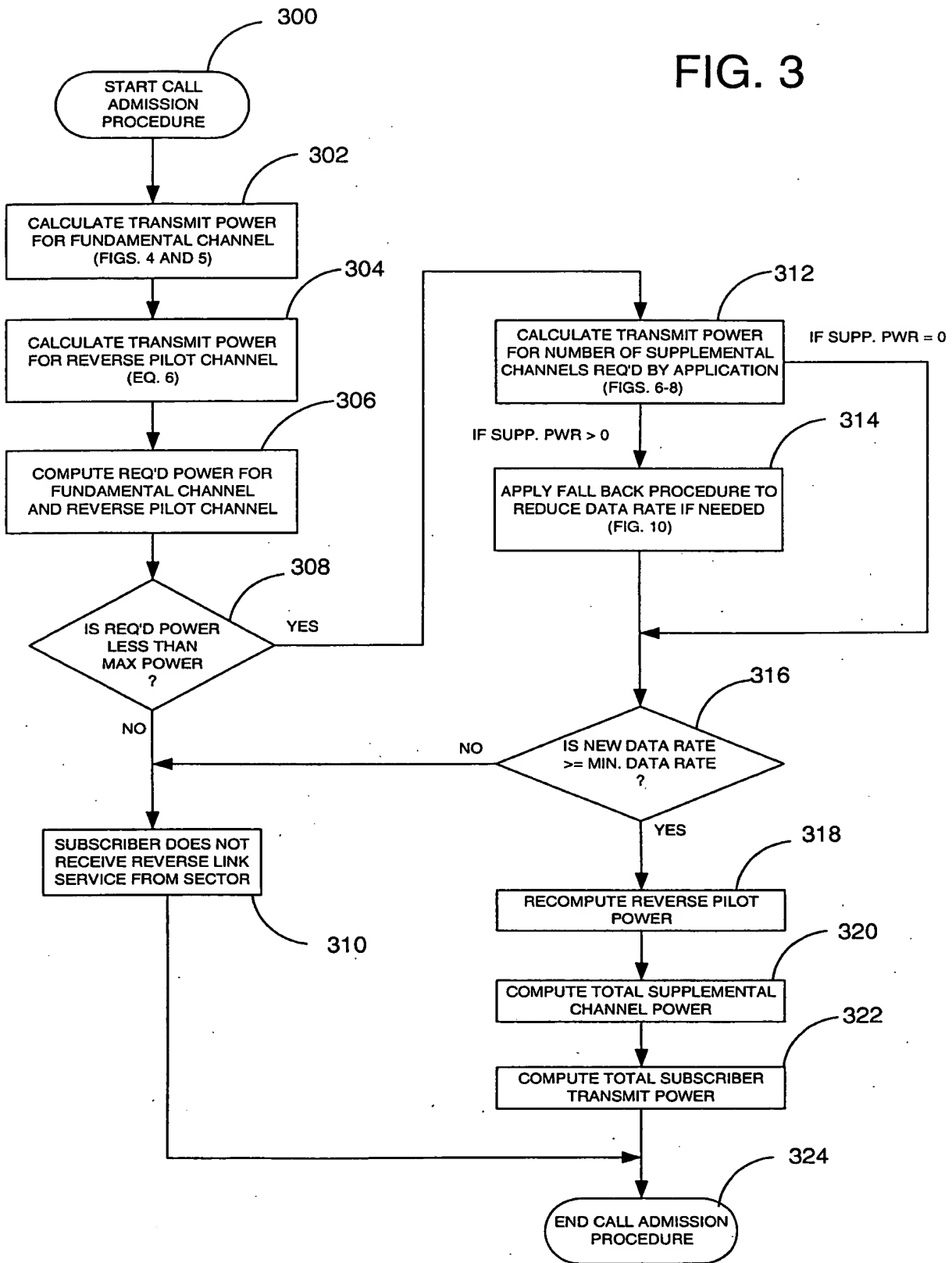


FIG. 3

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graph TD
    400([TRANSMIT POWER CALCULATION]) --> 402[COMPUTE EIRP FOR FUNDAMENTAL CHANNEL WITHOUT SOFT HAND-OFF GAIN (EQS. 7 AND 8)]
    402 --> 404[COMPUTE POINTING DIRECTION OF MAIN LOBE OF SUBSCRIBER UNIT]
    404 --> 406[COMPUTE ANTENNA GAIN]
    406 --> 408{IS SECTOR K IN ACTIVE SET FOR FCH AND IS ACTIVE SET > 1 ?}
    408 -- YES --> 410{IS SOFT HAND-OFF SELECTED ?}
    408 -- NO --> 416[COMPUTE TRANSMIT POWER FOR FUNDAMENTAL CHANNEL BASED ON EIRP (FIG. 5)]
    410 -- YES --> 412[COMPUTE SOFT HAND-OFF GAIN]
    410 -- NO --> 416
    412 --> 414[RECOMPUTE EIRP FOR FUNDAMENTAL CHANNEL WITH SOFT HAND-OFF GAIN (EQ. 9)]
    414 --> 416
    416 --> 418([END TRANSMIT POWER CALCULATION])
  
```

FIG. 4

FIG. 4

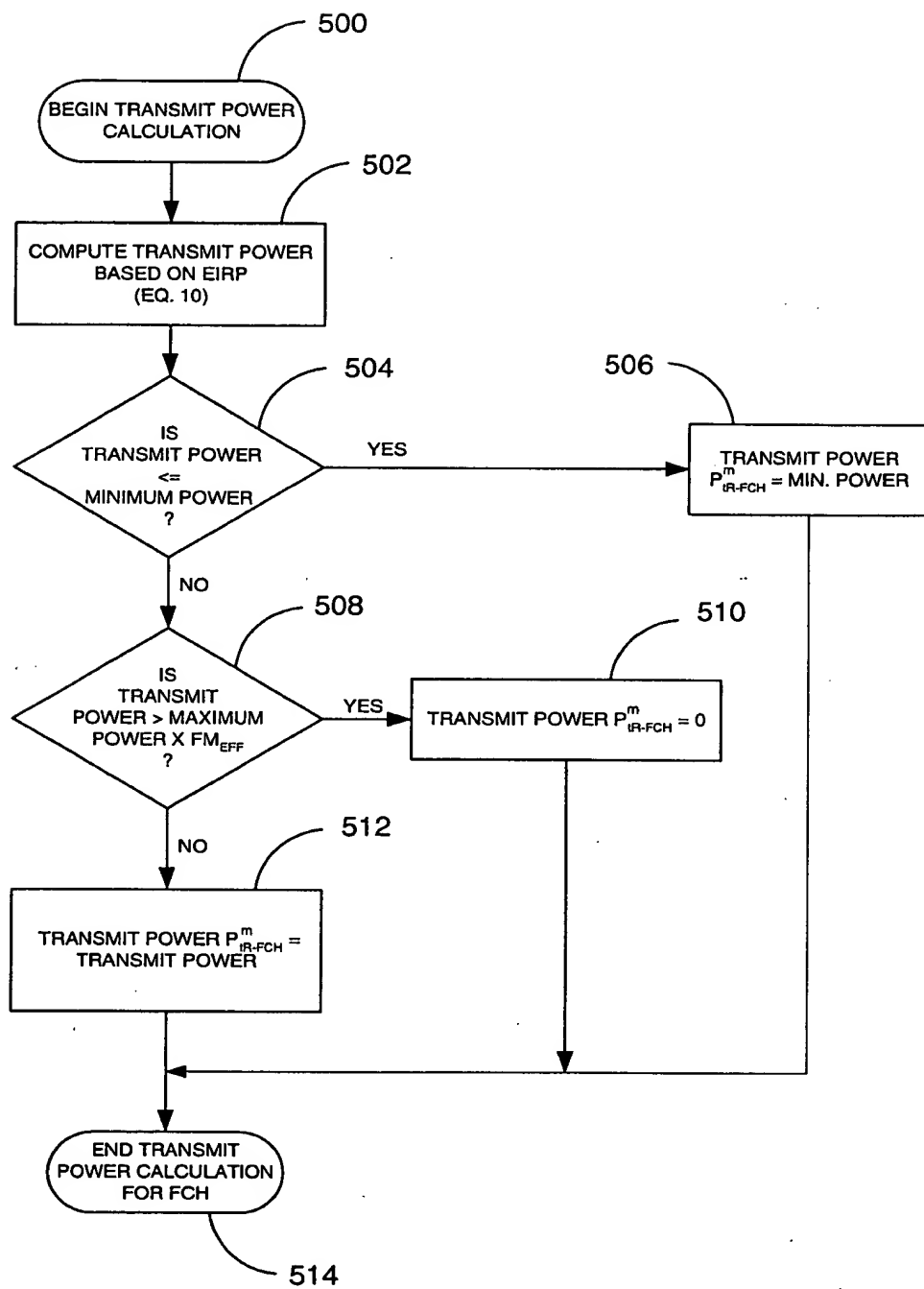


FIG. 5

FIG. 6

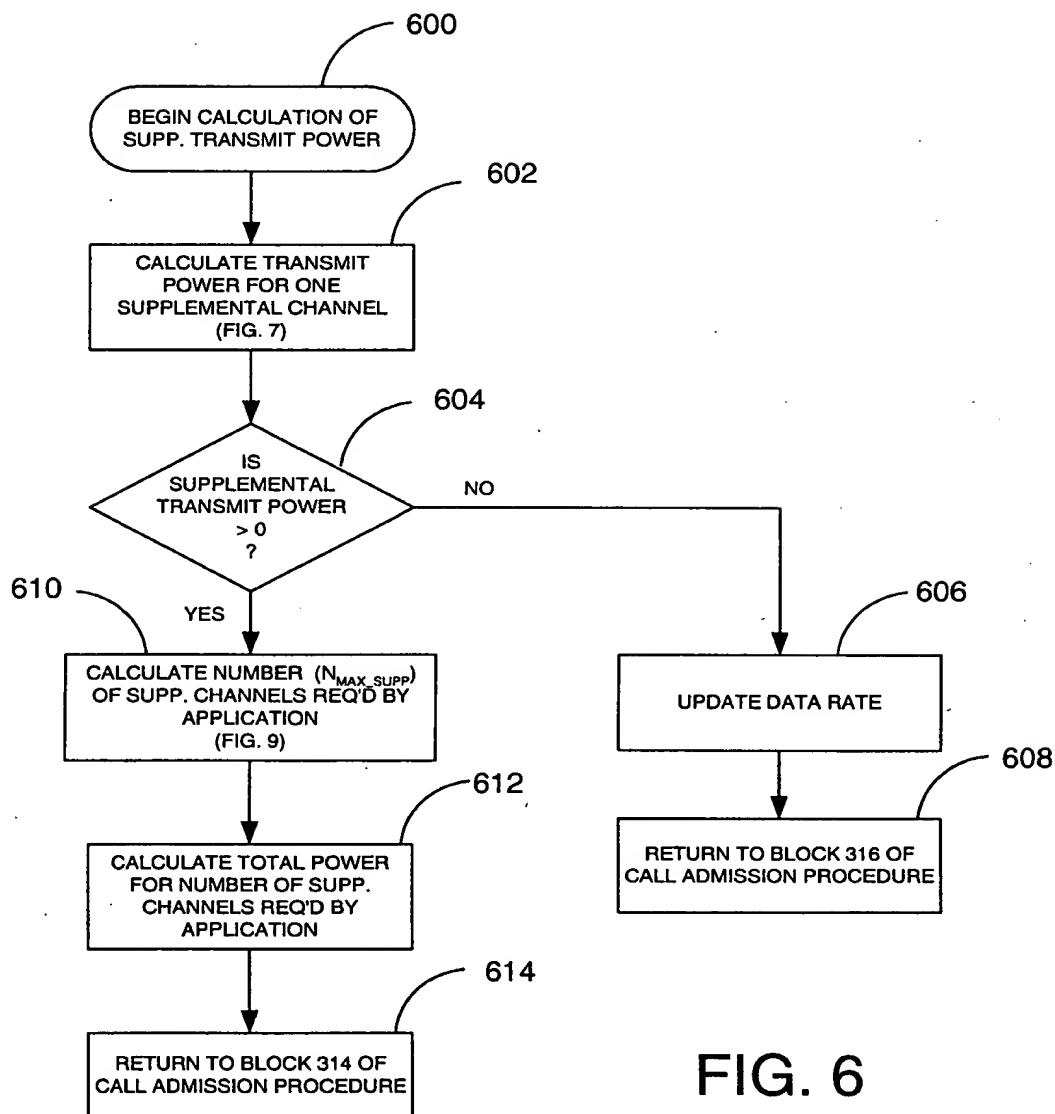


FIG. 6

FIG. 7

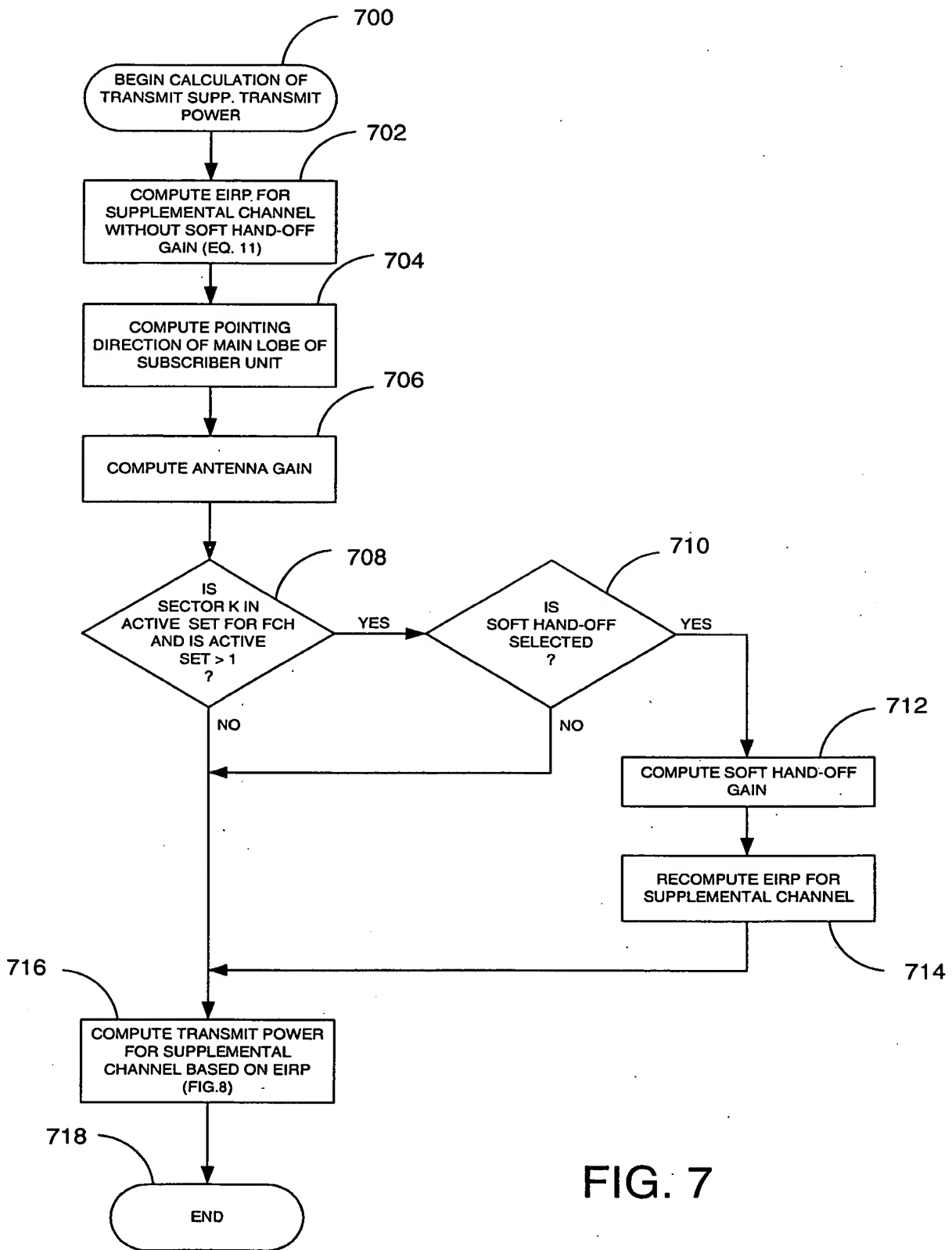


FIG. 7

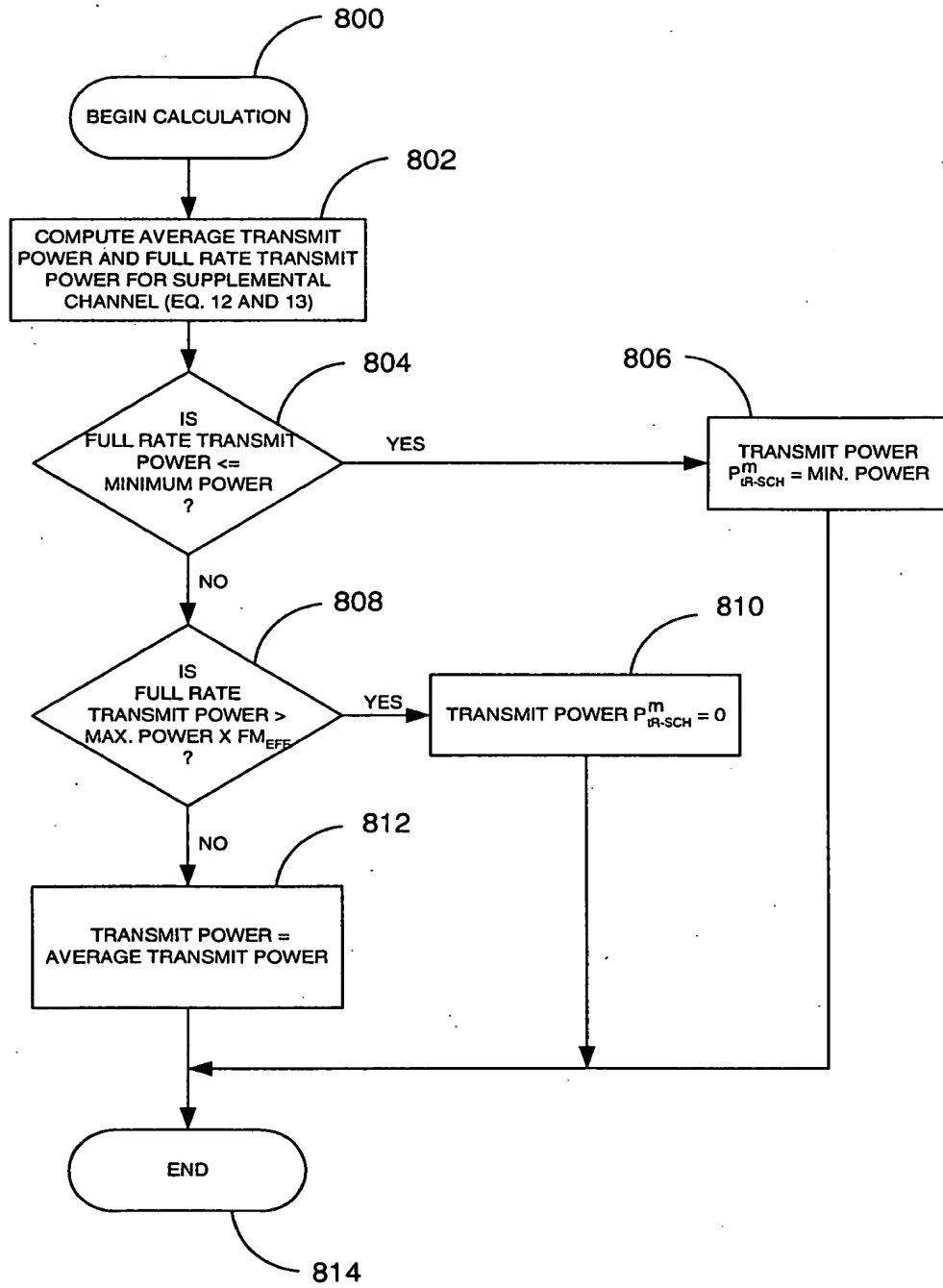


FIG. 8


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graph TD
    900([CALCULATE  $N_{SUPP}^{RVS}$ ]) --> 902{IS TOTAL SUBSCRIBER SUPPLEMENTAL TRANSMIT POWER > 0 ?}
    902 -- NO --> 904[ $N_{SUPP}^{RVS} = 0$ ]
    902 -- YES --> 906[COMPUTE MAXIMUM NUMBER  $N_{MAX}^{RVS}$  OF SUPP. CHANNELS REQ'D BY APPLICATION]
    906 --> 908[COMPUTE NUMBER  $N_{SUPP}^{RVS}$  OF SUPP. CHANNELS SUPPORTED BY SUBSCRIBER UNIT WITHIN LIMITS OF ITS AVAILABLE TRANSMIT POWER (EQ. 14)]
    908 --> 910[ $N_{SUPP}^{RVS} = \text{LESSER OF } N_{MAX\_SUPP}^{RVS} \text{ AND } N_{SUPP}^{RVS}$ ]
    910 --> 912([END CALCULATION])
    904 --> 912
  
```

FIG. 9

FIG. 10

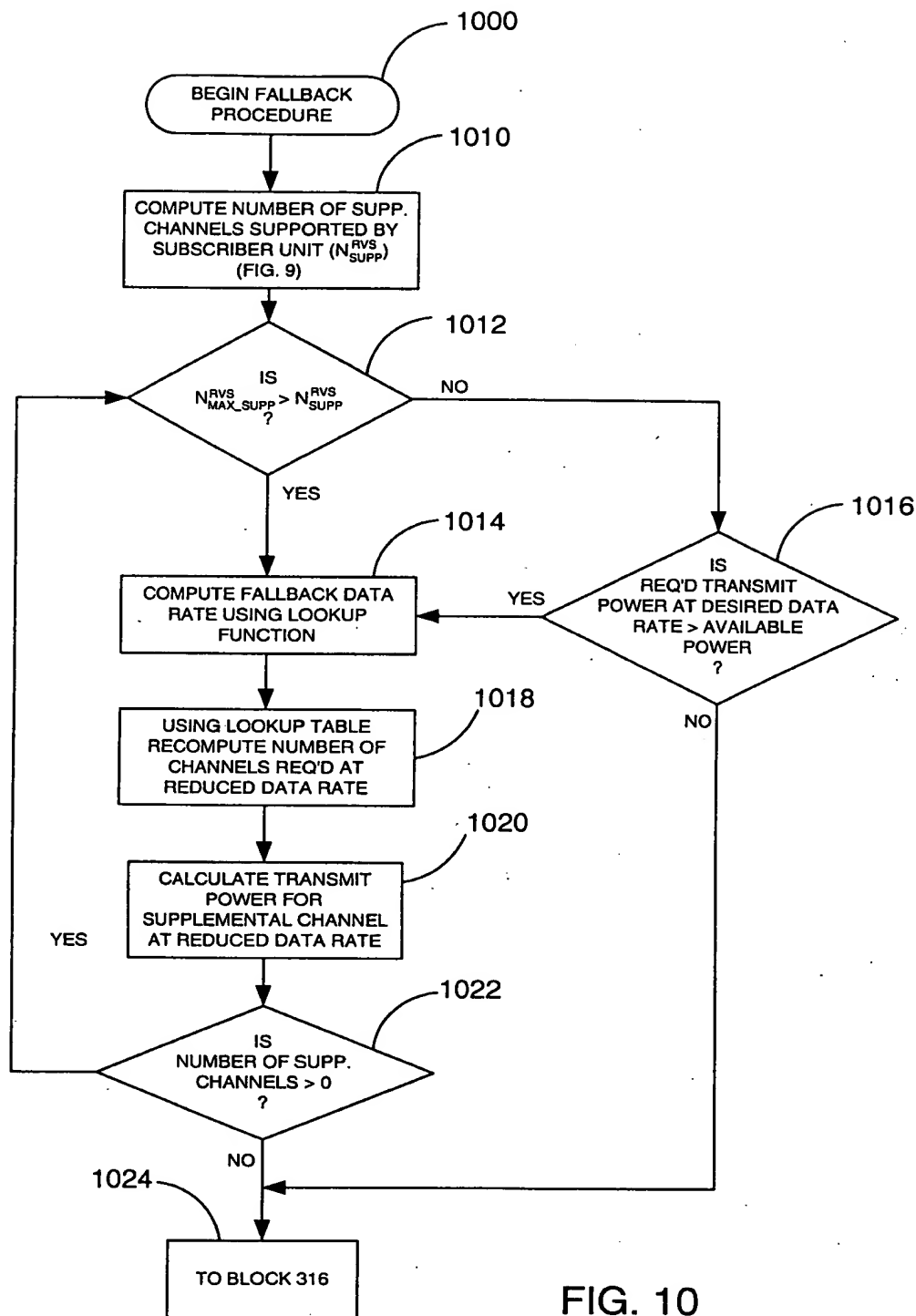
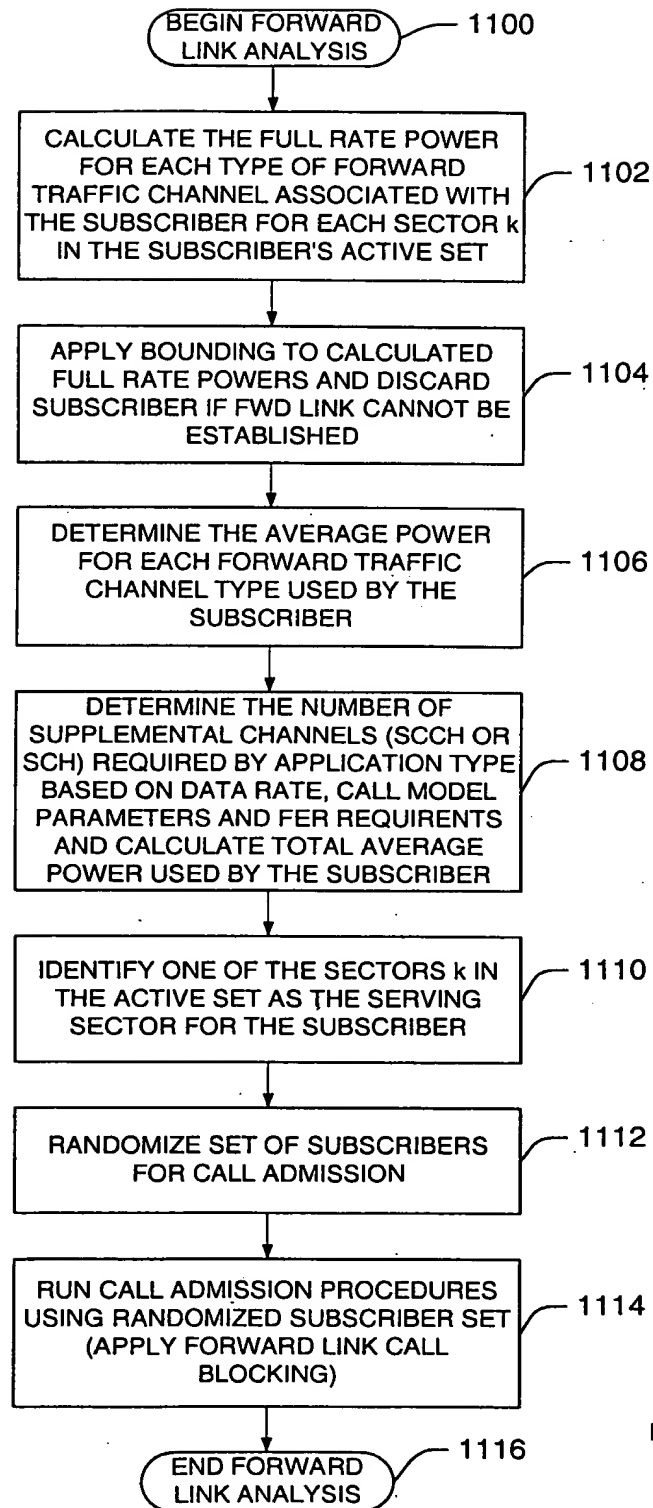


FIG. 10

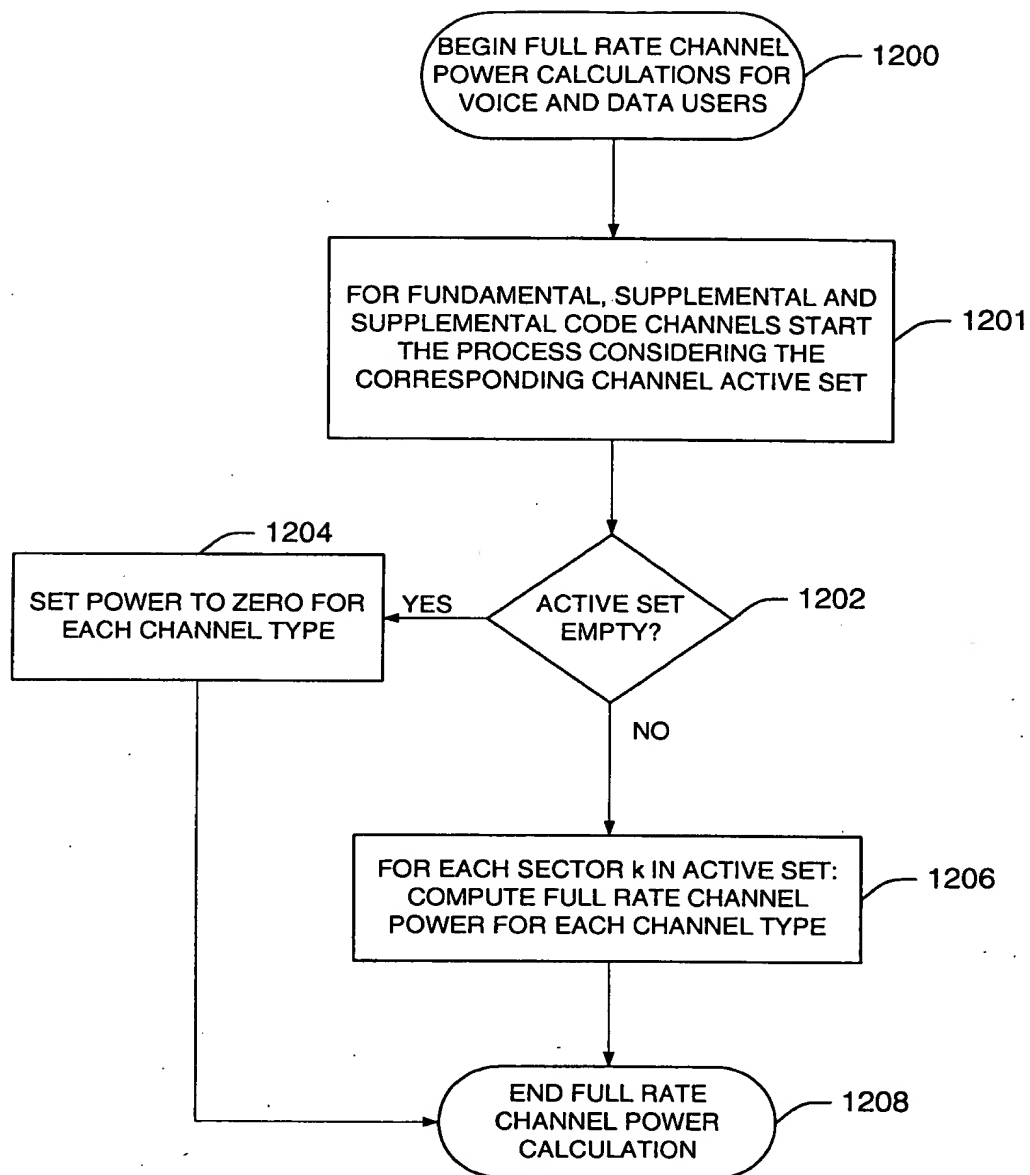
FALLBACK PROCEDURE

F O R E I G N



FORWARD LINK
ANALYSIS
OVERVIEW
FIG. 11

FIG. 12



FULL RATE FORWARD
TRAFFIC CHANNEL
CALCULATIONS
FIG. 12

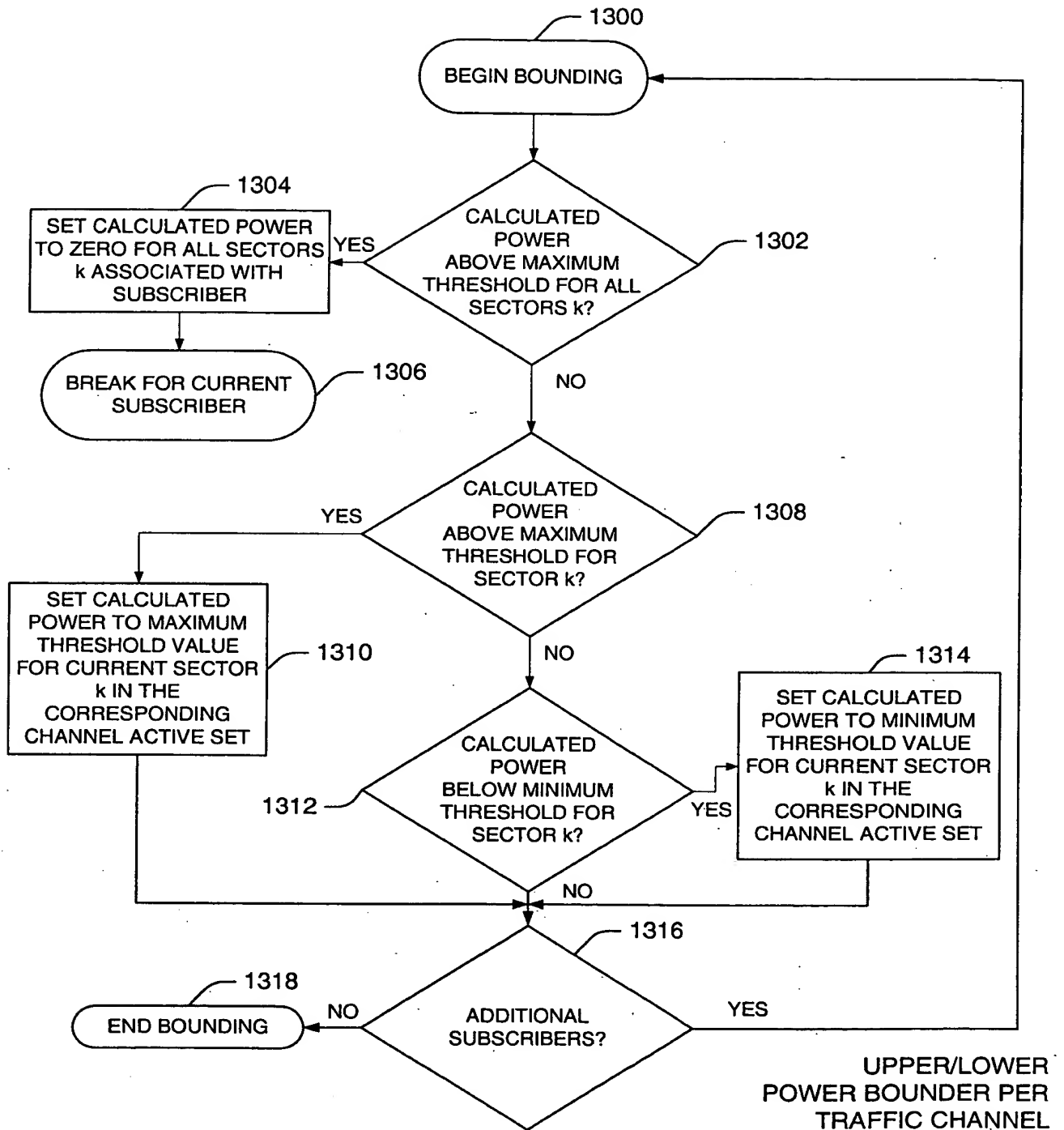
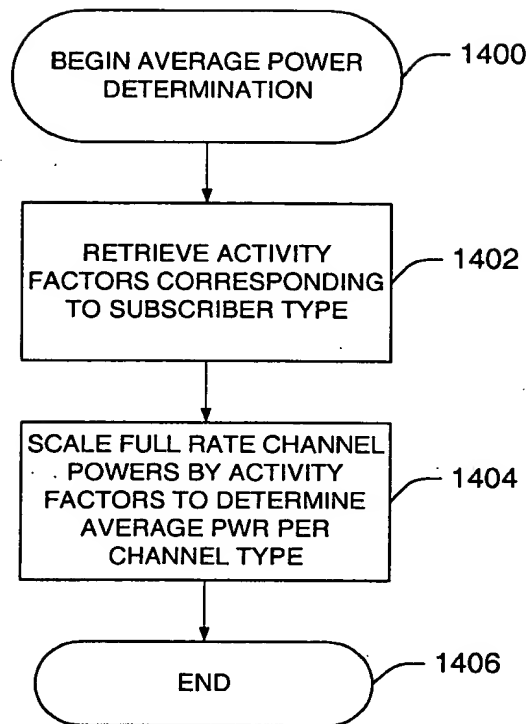
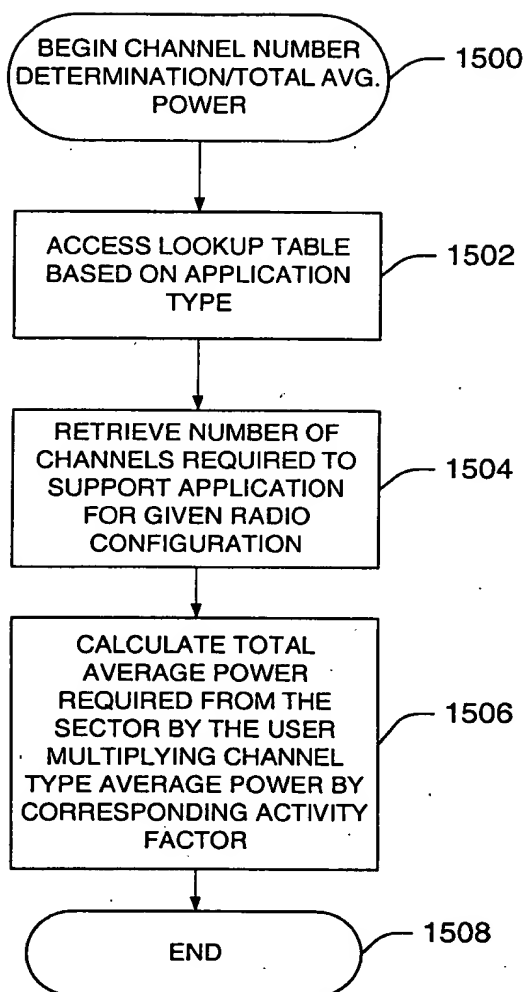


FIG. 13

DETERMINE AVERAGE
POWER PER FORWARD
CHANNEL TYPE
FIG. 14



T.06290" 69E96860

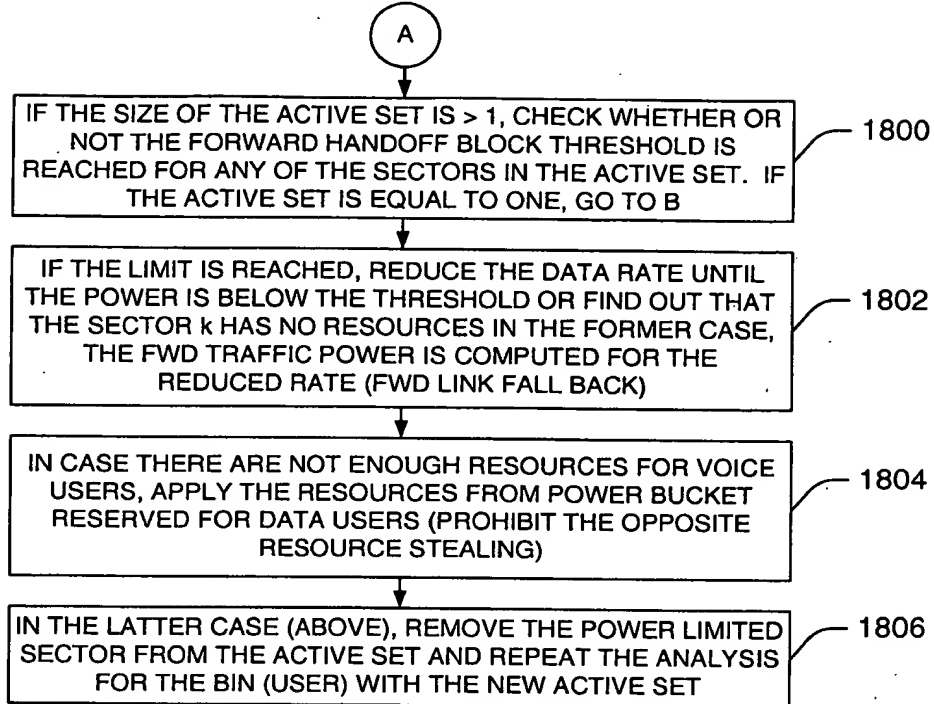


DETERMINE TOTAL
AVERAGE POWER PER
SUBSCRIBER
FIG. 15

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graph TD; 1600([BEGIN SERVING SECTOR IDENTIFICATION]) --> 1602[COMPARE REVERSE LINK FCH POWER FOR ALL SECTORS k IN SUBSCRIBER ACTIVE SET]; 1602 --> 1604[SELECT SECTOR k HAVING LOWEST REVERSE LINK FCH POWER AS SERVING SECTOR]; 1604 --> 1606([END]);
```

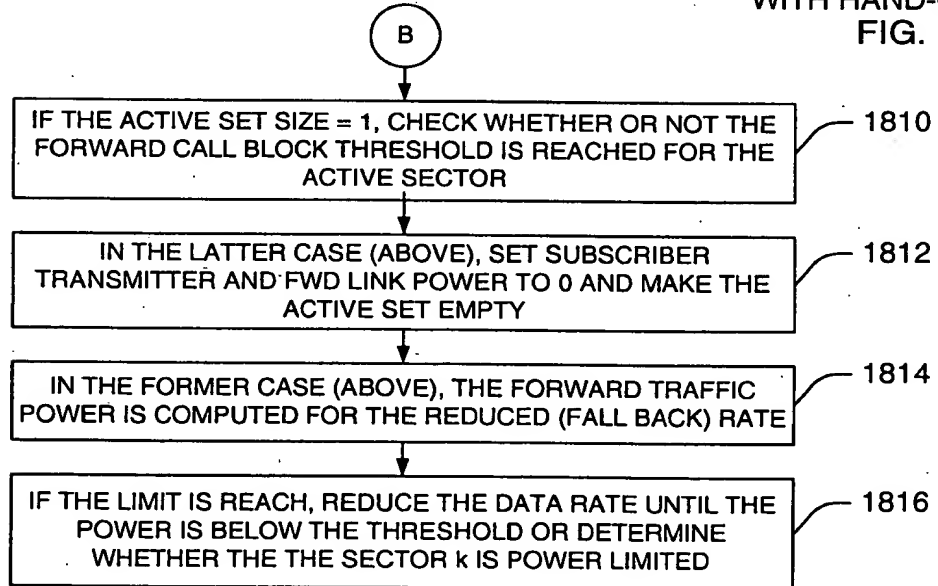
FIG. 16

FROM FIG. 17



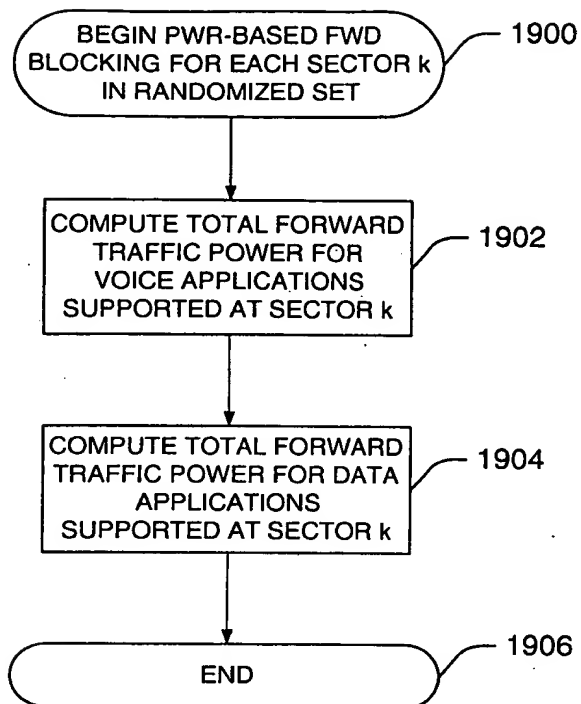
FROM FIG. 18A

CALL BLOCKING
WITH HAND-OFF
FIG. 18A



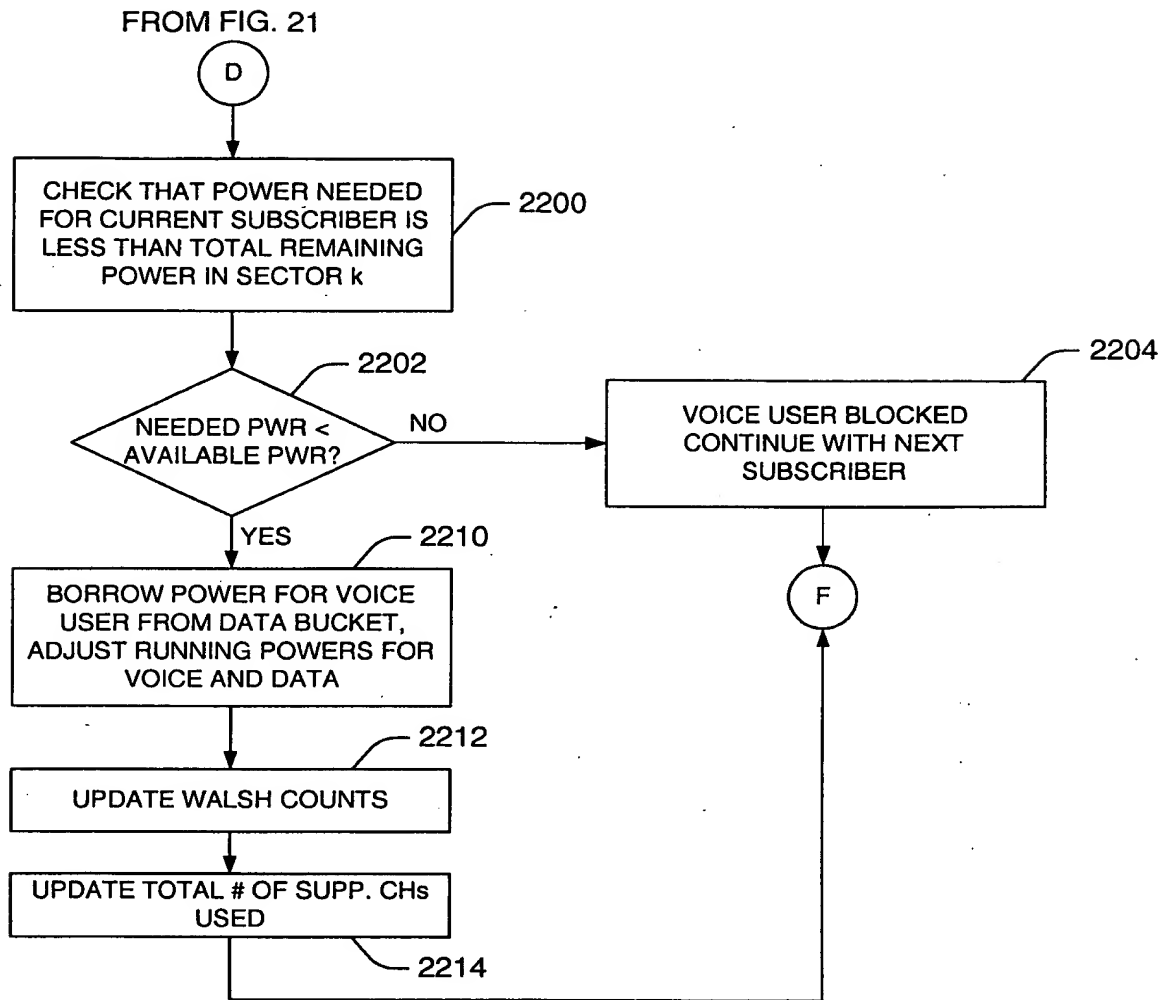
CALL BLOCKING, NO
HAND-OFF
FIG. 18B

FIG. 19



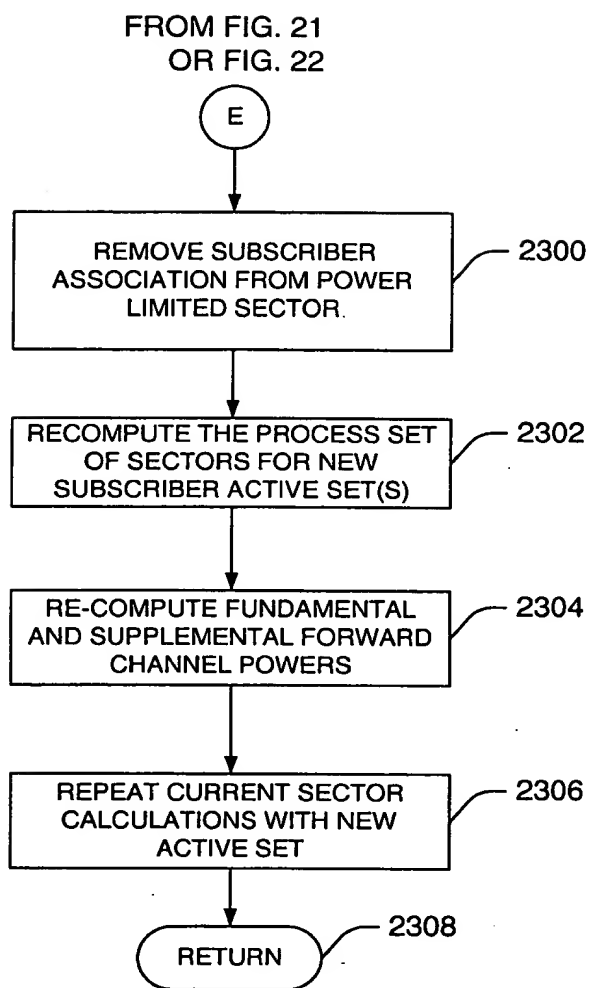
TOTAL VOICE AND
DATA PWR PER
SECTOR
FIG. 19

FIG. 22



VOICE SUBSCRIBER
CALL ADMISSION VOICE
BUCKET CHECK
FIG. 22

106290 69E96860

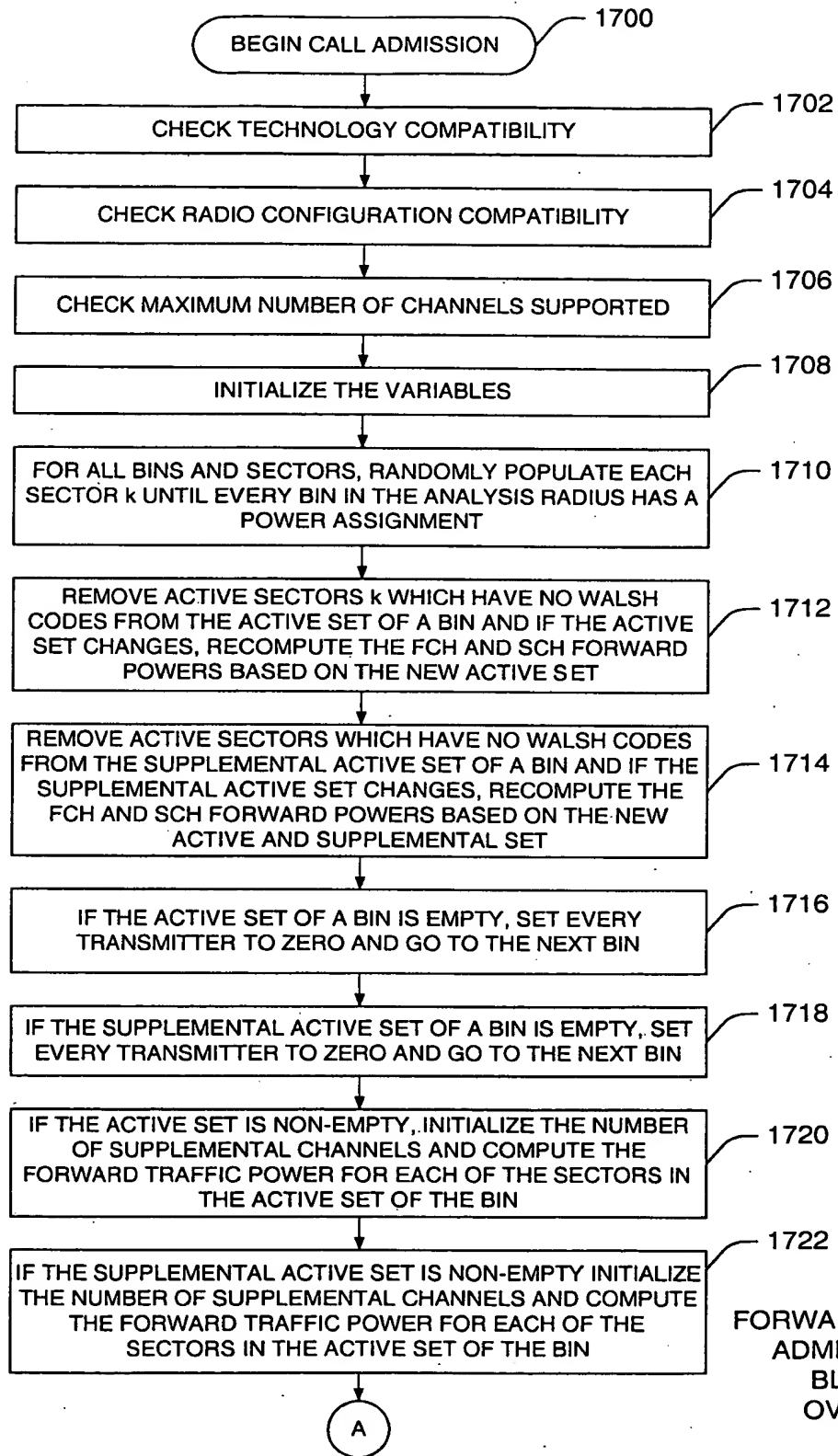


REMOVE POWER
LIMITED SECTOR
FIG. 23

FEBRUARY

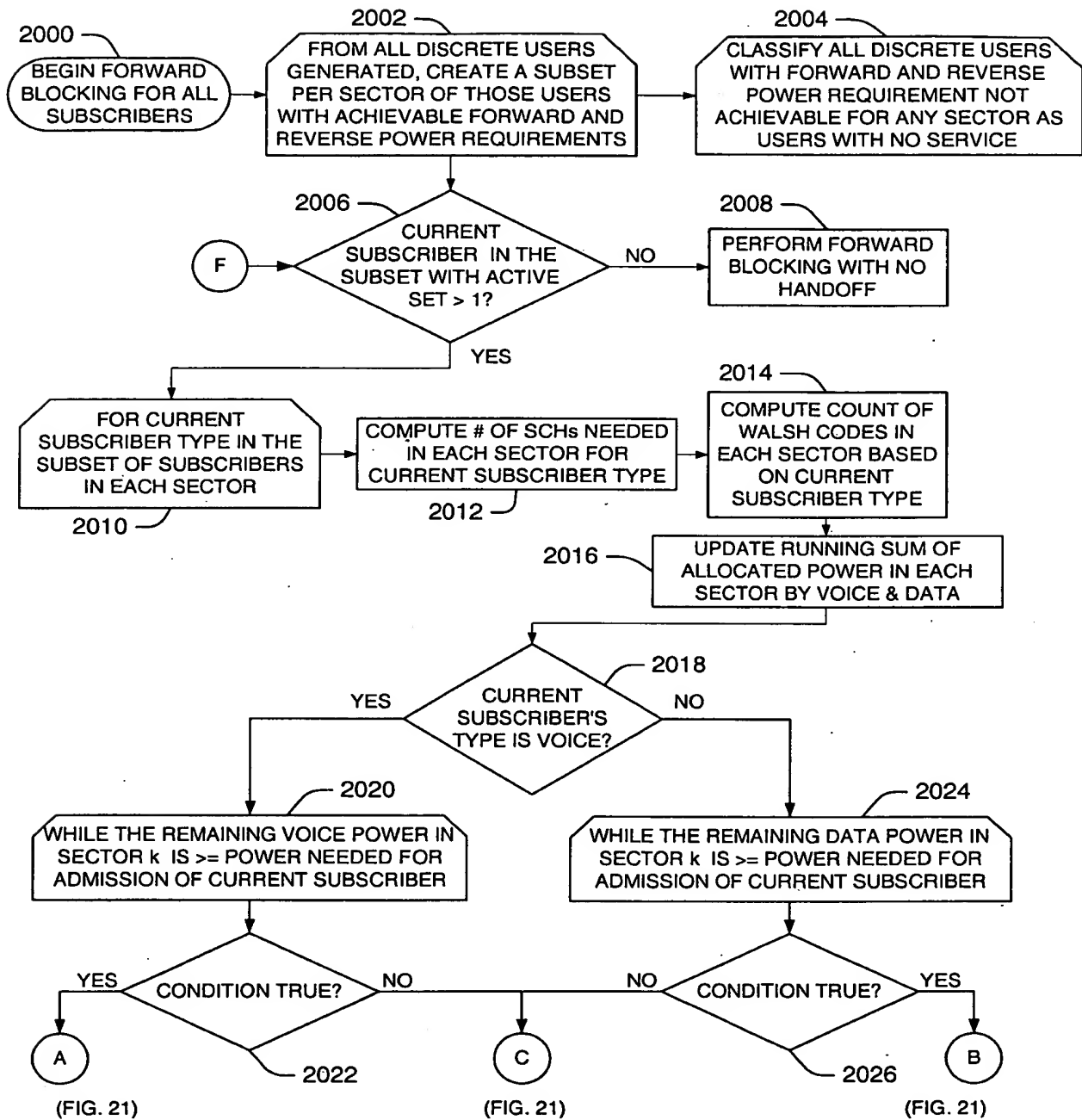


FIG. 24

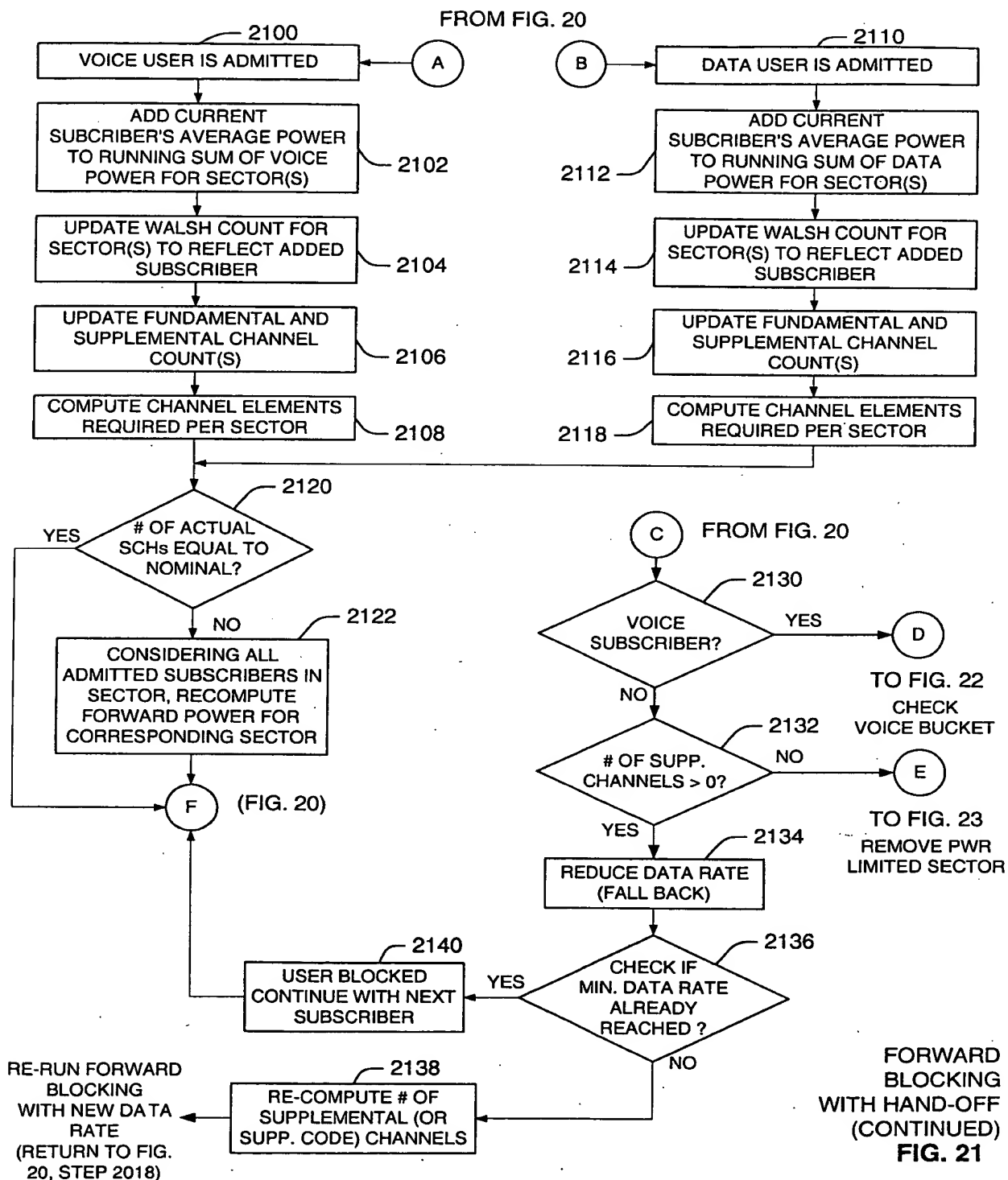


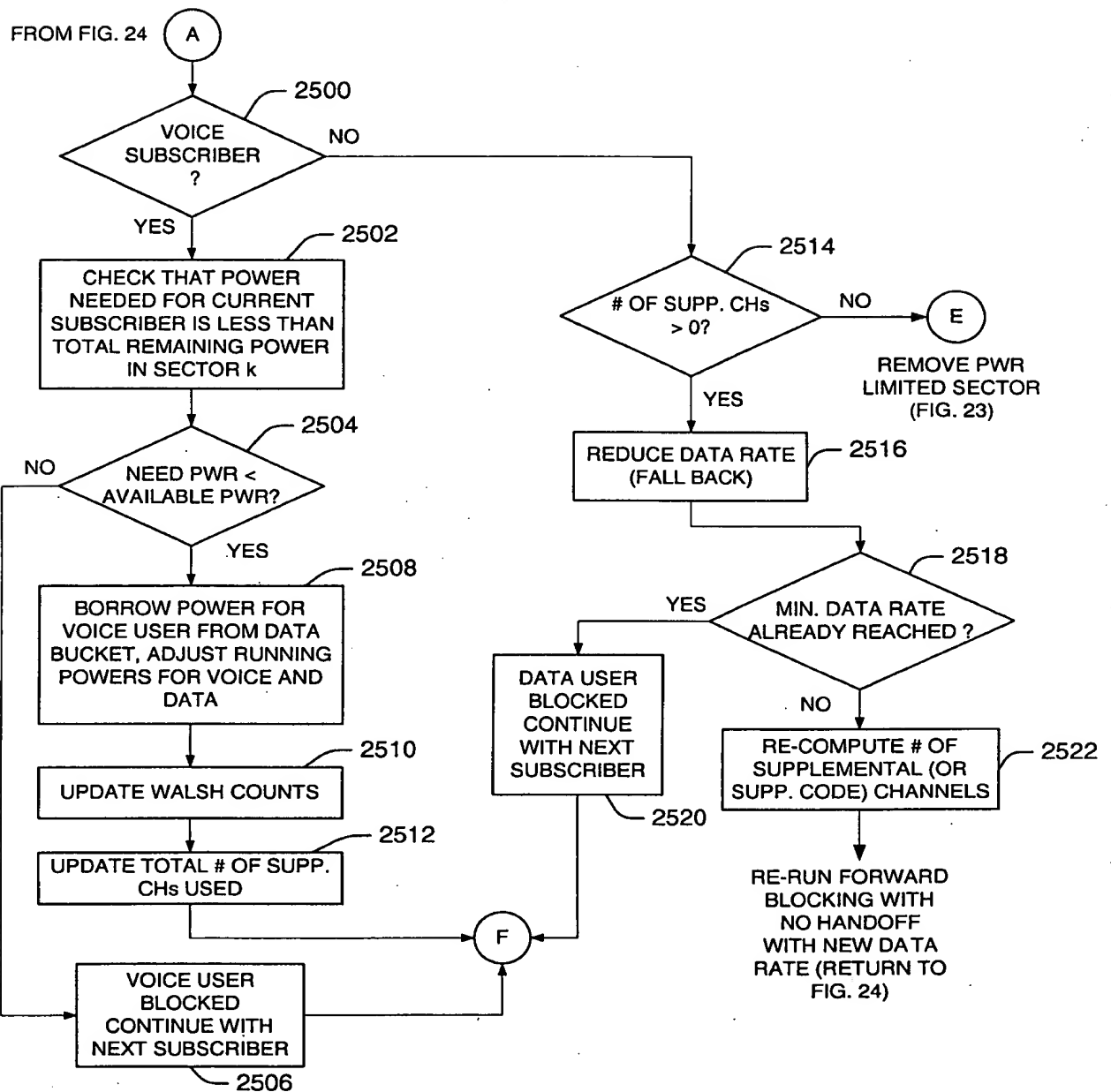
FORWARD CALL
ADMISSIONS/
BLOCKING
OVERVIEW
FIG. 17

09899069206



FORWARD BLOCKING
DETAILS (WITH
HAND-OFF)
FIG. 20





CHECK VOICE BUCKET
(BLOCKING WITH NO
HAND-OFF CONTINUED)

FIG. 25